

## **MULTI-LAYERED GOLF BALL AND COMPOSITION**

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### **ABSTRACT**

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The present invention is directed towards a multi-layer golf ball which comprises a core, a cover layer and at least one intermediate layer disposed between the core and cover, wherein the intermediate layer comprises a glycidyl polymer and optionally, a second thermoplastic component such as polyetherester block copolymer, polyesterester block copolymer, polyetheramide block copolymer, dynamically vulcanized thermoplastic elastomer, functionalized styrene-butadiene elastomer, thermoplastic polyurethane, thermoplastic polyesters, metallocene polymer or blends thereof and a density-modifying filler such as zinc oxide, titanium dioxide or blends thereof. Further, in a preferred embodiment, the core has a compression less than 60, the finished ball has a COR of greater than about 0.78, the intermediate layer has a specific gravity of greater than about 1.2 and the cover has a Shore D hardness of about 54 to about 72.